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PATENT  
Docket No.: 4167-4000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Bradshaw, M. et al Group Art Unit: To be assigned  
Serial No. : To be assigned Examiner: To be assigned  
Filed : Herewith  
For : A NEW YEAST-BACTERIA SHUTTLE VECTOR

PRELIMINARY AMENDMENT

Commissioner For Patents  
Washington, D.C. 20231

Dear Sir:

Please amend the claims as follows.

IN THE CLAIMS

Please cancel claim 1 and add the following claims.

14. A method of cloning, manipulating and performing mutagenesis of defined segment of DNA having flanking sequences using site-specific targeting comprising:
- a. obtaining a targeting vector comprising a yeast-bacteria shuttle vector comprising a yeast replication origin, a yeast selection marker gene, a bacterial replication origin, a bacterial selection marker gene, at least one unique cloning site, and sequences homologous to the sequences flanking the defined segment of DNA, wherein said bacterial replication origin maintains a single copy of the targeting vector within a bacterial host;